

History of Mathematics

Tenth Homework:

Due Monday 11 April 2022.

Math 629

2 April 2022

To hand in: We are using Gradescope for homework submission.

1. [10] Exercise 17.7.1 from Stillwell (Section 17.6).
2. [15] Exercise 17.7.2 from Stillwell (Section 17.6). Include a proof that the sum of the interior angles of any simple polygon with n sides is $\pi(n - 2)$ (or $(n - 2) \cdot 180^\circ$, if you prefer degrees).
3. [10] Exercise 18.2.1 from Stillwell.
4. [10] A paragraph on Gauss.
5. [25] Describe what you did with lines on the hyperolic soccerball. (About 2 paragraphs.)
6. [25] What did you learn from this activity? (About 2 paragraphs.)
7. [5] (Not for Gradescope. Ignore Question 6 there.). Send triangle data and photos to Frank in a serial post in Piazza. He will credit/grade your Question 6 in Gradescope, as he gets your triangle data.